

APPLICATION FOR UNITED STATES PATENT  
DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; that  
I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor  
(if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:  
EXHAUST EMISSION CONTROL SYSTEM, METHOD OF CALCULATING PRESSURE LOSS  
described and claimed in the specification: OF FILTER, AND METHOD OF MANUFACTURING FILTER

Check one

- a.  attached hereto.  
b.  filed on Aug. 20, 2004 as Application No. 10/505,318 and amended on Aug. 20, '04 (if applicable).  
c.  described and claimed in PCT International Application No. PCT/JP03/02378 filed on Feb. 28, 2003 and as  
amended under PCT Article 19 on Sep. 1, 2003 (if any).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as  
amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37,  
Code of Federal Regulations, §1.56.

Under Title 35, U.S. Code §119, the priority benefits of the following foreign application(s) and/or United States provisional  
application(s) filed by me or my legal representatives or assigns within one year prior to this application are hereby claimed:

Japanese Patent Application No. 2002-056051 filed on March 1, 2002.

The following application(s) for patent or inventor's certificate on this invention were filed in countries foreign to the United  
States of America either (a) more than one year prior to this application, or (b) before the filing date of the above-named foreign priority  
application(s) and/or United States provisional application(s):

I hereby appoint the following as my attorneys of record with full power of substitution and revocation to prosecute this  
application and to transact all business in the Patent Office:

James A. Oliff, Reg. No. 27,075; William P. Berridge, Reg. No. 30,024;  
Kirk M. Hudson, Reg. No. 27,562; Thomas J. Pardini, Reg. No. 30,411;  
Edward P. Walker, Reg. No. 31,450; Robert A. Miller, Reg. No. 32,771;  
Mario A. Costantino, Reg. No. 33,565; Stephen J. Roe, Reg. No. 34,463;  
Joel S. Armstrong, Reg. No. 36,430; Christopher W. Brown, Reg. No. 38,025;  
Richard E. Rice, Reg. No. 31,560; and Paul Tsou, Reg. No. 37,956.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO OLIFF & BERRIDGE,  
PLC, P.O. BOX 19928, ALEXANDRIA, VIRGINIA 22320, TELEPHONE (703) 836-6400.

I hereby declare that I have reviewed and understand the contents of this Declaration, and that all statements made herein of my  
own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements  
were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under  
Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or  
any patent issued thereon.

1	Typewritten Full Name of First or Sole Inventor	Shigeharu	HASHIMOTO	
2	**Inventor's Signature:	Given Name	Middle Initial	Family Name
3	**Date of Signature:	Shigeharu	15th	2005
	Residence:	Month	Day	Year
	Okazaki-city, Japan	February	15	2005
	Citizenship:	City	State or Province	Country
	Japanese			
	Post Office Address: (Insert complete mailing address, including country)	c/o NGK Insulators, Ltd., 2-56, Suda-cho, Mizuho-ku, Nagoya-city, Aichi-prefecture, 467-8530 Japan		

\*If Box (a.) is checked, this form may be executed only when attached to the specification (including claims).

\*\*Note to Inventor: Please sign name exactly as it appears above and insert actual date of signing.

IF THERE IS MORE THAN ONE INVENTOR USE PAGE 2 AND PLACE AN "X" HERE

**PAGE 2 OF U.S.A. DECLARATION FORM**  
**(Discard this page in a sole inventor application)**

13PCC 2000  
1-1-67

1	Typewritten Full Name		
2 - 00 of Second Joint Inventor (if any)			
	<u>Yukio</u>	Given Name	MIYAIRI
2	**Inventor's Signature:		
3	**Date of Signature:		
	<u>Yukio Miyairi</u>	8th	2005
	February	Month	Year
Residence:	<u>Nagoya-city,</u>	Aichi-prefecture,	Japan
	City	State or Province	Country
Citizenship:	<u>Japanese</u>		
Post Office Address:	<u>c/o NGK Insulators, Ltd., 2-56, Suda-cho, Mizuho-ku, Nagoya-city, Aichi-prefecture, 467-8530 Japan</u>		
(Insert complete mailing address, including country)			
1	Typewritten Full Name		
3 - 00 of Third Joint Inventor (if any)			
	<u>Tadato</u>	Middle Initial	IITO
2	**Inventor's Signature:		
3	**Date of Signature:		
	<u>Tadato Ito</u>	8th	2005
	February	Month	Year
Residence:	<u>Nagoya-city,</u>	Aichi-prefecture,	Japan
	City	State or Province	Country
Citizenship:	<u>Japanese</u>		
Post Office Address:	<u>c/o NGK Insulators, Ltd., 2-56, Suda-cho, Mizuho-ku, Nagoya-city, Aichi-prefecture, 467-8530 Japan</u>		
(Insert complete mailing address, including country)			
1	Typewritten Full Name		
of Fourth Joint Inventor (if any)			
	Given Name	Middle Initial	Family Name
2	**Inventor's Signature:		
3	**Date of Signature:		
	Month	Day	Year
Residence:	City	State or Province	Country
Citizenship:			
Post Office Address:			
(Insert complete mailing address, including country)			
1	Typewritten Full Name		
of Fifth Joint Inventor (if any)			
	Given Name	Middle Initial	Family Name
2	**Inventor's Signature:		
3	**Date of Signature:		
	Month	Day	Year
Residence:	City	State or Province	Country
Citizenship:			
Post Office Address:			
(Insert complete mailing address, including country)			

Note to Inventors: Please sign name exactly as it appears and insert the actual date of signing.

This form may be executed only when attached to the first page of the Declaration and Power of Attorney form of the application to which it pertains.

**PATENT APPLICATION**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**DESIGNATION OF TEN ATTORNEYS  
FOR POWER OF ATTORNEY**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

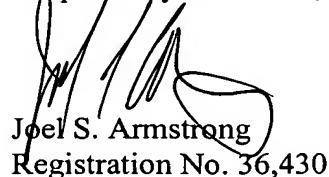
Sir:

This serves as a separate paper in compliance with 37 CFR §1.32(b) indicating that the following ten patent practitioners named in the attached power of attorney are to be recognized by the Patent Office as being of record in the application to which the attached power of attorney is directed:

James A. Oliff, Reg. No. 27,075; William P. Berridge, Reg. No. 30,024;  
Thomas J. Pardini, Reg. No. 30,411; Edward P. Walker, Reg. No. 31,450;  
Robert A. Miller, Reg. No. 32,771; Mario A. Costantino, Reg. No. 33,565;  
Joel S. Armstrong, Reg. No. 36,430; Christopher W. Brown, Reg. No. 38,025;  
Paul Tsou, Reg. No. 37,956; and Kirk M. Hudson, Reg. No. 27,562.

**ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION  
SHOULD BE SENT TO OLIFF & BERRIDGE, PLC, CUSTOMER NO. 25944,  
TELEPHONE (703) 836-6400.**

Respectfully submitted,



Joel S. Armstrong  
Registration No. 36,430

JSA/emt

Date: March 2, 2005